

**Form H: Hydroenergy Systems
Utah Renewable Energy Systems Tax Credit
Investment Tax Credit Certification**



This form must be completed by all applicants seeking Utah tax credits for a hydroenergy system that produces electricity or that produces mechanical energy that is used on-site.

Taxpayer Name

Social Security Number or Federal ID Number

What is the maximum flow rate of water through your hydroenergy system?

What is the head height of your hydroenergy system (see instructions)?

Does your hydroenergy system produce electricity?

Yes

No

If yes, complete the additional information below.

Make and model of water turbine used

Make and model of generator (if separate from turbine)

What is the system's generating capacity (in kilowatts)?

The system produces electricity for:

On-site use

Sale to utility

Both

Does your hydroenergy system feed power into a building's electrical system?

If not, explain how the power is used

Is the building for which you are providing power connected to a utility's electrical grid?

Yes

No

If no, how far is the building from the nearest utility power lines?

Does your hydroenergy system include batteries?

Yes

No

If yes, enter the make and model

Number of batteries

Volts

Amps per battery

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If your hydroenergy system does not produce electricity, describe how the mechanical energy produced by the system is used.

Total cost of your hydroenergy system

Total eligible hydroenergy equipment cost (see instructions)

Total eligible hydroenergy installation and other costs

Total eligible hydroenergy cost (sum of equipment, installation, and other)

Enter amount of credit claimed for the hydroenergy system above (see instructions)

System Certification (see instructions)

Name of Certifier

Street Address

Town/City

State

Zip

Phone

Contractor or Inspector License Number

License Type

I certify that I have inspected the hydroenergy system described on Forms A and H of this application. I further certify that upon inspecting this system I have found it to be a safe system and that it conforms with the National Electric Code and with all other building and safety codes applicable within the state of Utah at this time.

Signature

Date

Project Installer Information (see instructions)

Name

Street Address

Town/City

State

Zip

Phone

Contractor License Number

License Type

I certify that I installed the hydroenergy system described on Forms A and H of this application.

Signature

Date

Instructions for Form H: Hydroenergy Systems

New hydroenergy systems are eligible for Utah tax credits if the system generates electricity for use or sale or if it produces mechanical energy that is used by the taxpayer.

What is the head height of your hydroenergy system: Enter here the vertical change in elevation between the water level at the system intake above the powerhouse and the power turbine.

Total eligible hydroenergy equipment cost: Eligible equipment costs for a hydroenergy system are limited to components up to the point of interconnection with AC service when powering a building, or up to the point of interconnection with the electrical grid for systems intended solely for the sale of power. The costs of the following hydroenergy system components are eligible:

1. Turbine,
2. Generator,
3. Rectifier,
4. Inverter,
5. Penstocks,
6. Penstock ventilation,
7. Buck and boost transformer,
8. Valves,
9. Drains,
10. Diversion structures (with the exception of storage dams, fish facilities, and canals),
11. Screened intake device, and
12. Wiring and disconnects from a generator to the inverter and from an inverter to the point of interconnection with an AC panel.

The costs of additional components of hydroenergy systems are eligible for residential or commercial tax credits if the hydroenergy system is not grid connected and it provides electricity to a building or structure that is more than one quarter mile from a power distribution line operated by a retail electric utility provider. If these conditions are met, the following additional components are also eligible:

1. Batteries and necessary wiring and disconnects,
2. Battery temperature sensors,
3. Charge controller and necessary wiring and disconnects, and
4. Electric load governor and necessary wiring and disconnects.

Enter amount of credit claimed for the hydroenergy system above: To calculate the amount of credit to claim, begin with the total eligible costs entered immediately above. Subtract out the amount of any grants or rebates you may have received for installing the system. (Note: Do not subtract any federal tax credit amounts you received or may receive.) For a residential system, multiply this amount by 0.25. If this amount is less than \$2,000, enter this number, otherwise enter \$2,000. For a commercial system, multiply total eligible costs (minus grants or rebates) by 0.10. If this amount is less than

\$50,000, enter this number, otherwise enter \$50,000.

System Certification: In order to be eligible for a residential or commercial tax credit, a hydroenergy system that produces electricity must be certified for safety by either

1. A professional electrician licensed by the State of Utah; or
2. A county or municipal building inspector licensed by the State of Utah.

Proof of this certification may be required with the tax credit application.

The system certification section must be completed and signed by a person in one of the two categories above in order for you to receive a tax credit for a PV system. This person may also be the installer if he/she has the required license. If your system does not generate electricity, you do not need to complete this section of Form H.

Project Installer Information: Enter here information about the person or company that installed your system. If a licensed installer or contractor installed your system, be sure that he or she provides their information here. If you or another unlicensed individual installed the system, you must still provide information on that installer. In that case, leave "Contractor License Number" and "License Type" blank and complete all other sections, including a signature.